

**GAF CHEMICALS CORP.: GANEX Alkylated Polyvinylpyrrolidone:****Typical Properties of GANEX Resins:****GANEX V-216 Polymer:**

CTFA Designation: PVP/Hexadecene Copolymer

Physical Form: liquid

% Activity: 100

Appearance @ 25C: pale yellow viscous fluid

% Nitrogen: 2.0-3.0

HLB requirement: 10

## Solubilities:

Kerosene: S

Mineral Oil: S

Castor Oil: S (5%)

Ethanol: PS

n-propanol: I

Water: I

**GANEX V-220 Polymer:**

CTFA Designation: PVP/Eicosene Copolymer

Physical Form: solid

% Activity: 100

Appearance @ 25C: off white waxy solid

Solidification Point: 35-40C

% Nitrogen: 2.9-3.6

HLB requirement: 8

## Solubilities:

Kerosene: S

Mineral Oil: S

Castor Oil: I

Ethanol: I

n-propanol: I

Water: I

S = Soluble to 20% GANEX, except at noted

PS = Partially Soluble

I = Insoluble

**Benefits and Applications:**

GANEX V-216 and GANEX V-220 resins have been used to impart four primary benefits to skin care and cosmetic products:

Water and wear resistance

Pigment dispersion

Rich feel

Improved stick integrity

The additional benefits of low toxicity, non-comedogenicity and broad compatibility further support their use in these applications.

## PRODUCT SPECIFICATIONS

### BPA-515

Description: Polymethylmethacrylate (And) Isopropyl Titanium Triisostearate

Test Name	Specification	Test Methods
Appearance	Off White Powder; No Grit	Visual
Odor	Waxy	Organoleptic
Loss on Drying, %	Min : 0 - Max : 1	15 min at 80 C
Microbiology	Less Than 100 Organisms Per Gram With No Pathogens	Current USP Microbial Limit Test
Particle Size Range, $\mu\text{m}$	Min : 2 - Max : 16	Light Scattering Sizer
Arsenic, ppm	Min : 0 - Max : 3	CTFA Method F 1-1, Silver Diethyldithiocarbamate
Lead, ppm	Min : 0 - Max : 10	Weak Acid Extraction AA Method
Oil Absorption, g. / 100g. Linseed Oil	Min : 40 - Max : 60	ASTM Method D281-84
Apparent Density, gm/cbi	Min : 3 - Max : 4.5	CTFA Method C8-2, Scott Volumeter

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If you have any questions about the information contained within this document, please contact Shirley Wang, ext 6114.

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